Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An image reading apparatus for reading images on documents by feeding ~~a document~~ the documents one ~~sheet~~ at a time, comprising[[;]]:

a document supply tray for stacking the documents;

a transport path for sequentially feeding the documents on said supply tray;

a reading station to read the images on the documents disposed in said transport path;

photoelectric conversion means for photoelectrically converting the images on the documents moving over said reading station;

a discharge tray for storing the documents that have been read from said reading station;

a first transport roller disposed in front and [[a]] second transport ~~roller~~ rollers disposed at back relative to the reading station in ~~the~~ a direction of transport of the documents, ~~said reading station;~~ wherein said second transport rollers are paired rollers contacting each other and arranged adjacent to said discharge tray;

first detection means that detects ~~the~~ a leading edge of the document and ~~that~~ controls ~~the~~ start of reading of the document ~~documents~~ on said reading station, said first detection means being disposed upstream of said first transport roller; and

second detection means that detects ~~the~~ a trailing edge of said ~~documents~~ document and detects ~~the~~ transport of the document out to said discharge tray, said second detection means ~~is~~ being provided with a stick-shaped lever member that abuts against the leading edge of the document at ~~documents at the position~~ a side of the discharge tray from ~~the~~ a contact point of the second transport ~~roller~~ rollers.

2. (currently amended) An image reading apparatus according to claim 1, wherein said photoelectric conversion means comprises,

first photoelectric conversion means for reading the images on one side of the document, and

second photoelectric conversion means for reading the other side of the document spaced from the first photoelectric conversion means ~~disposed separated distances in that order~~ in the direction of transport of the document ~~feeding~~, a focus depth of said second photoelectric conversion means being smaller than that of said first photoelectric conversion means.

3. (original) An image reading apparatus according to claim 2, wherein said first photoelectric means is composed of an optical reduction reading sensor and said second photoelectric means is composed of a contact image sensor.

4. (currently amended) An image reading apparatus according to claim 2, wherein said reading station comprises a first reading station for reading one side of ~~an~~ the document using said first photoelectric conversion ~~elements~~ means and a second reading station for reading the other side of ~~an~~ the document using said second photoelectric conversion means, and a third reading station is established to stack ~~documents,~~ a document adjacent to said first reading station, at least one of ~~the~~ parts of said first photoelectric conversion means ~~moves~~ moving to read the document ~~documents~~ placed stationary upon said third reading station.

5. (currently amended) An image reading apparatus according to claim 1, wherein said ~~reading station~~ photoelectric conversion means comprises,

first photoelectric conversion means disposed at the reading station for reading the images on one surface of ~~an~~ the document in said reading station ~~provided in a direction of document transport~~; and

second photoelectric conversion means for reading the other side of said document ~~provided~~ spaced in the direction of ~~document~~

transport of the document from ~~after~~ the first photoelectric conversion means ~~separated~~ by a predetermined distance, said first detection means controlling a start of the first photoelectric conversion means and the second photoelectric conversion means.

6. (currently amended) An image reading apparatus that automatically feeds documents stacked on a sheet supply tray one at a time and discharges the documents to a discharge tray after reading the images on ~~an document~~ the documents, comprising:

paired transport rollers to transport the documents;

paired discharge rollers to discharge the documents from said paired transport rollers to said discharge tray, said paired discharge rollers being disposed at a downstream side of said paired transport rollers;

a reading station for reading the images on the documents[[,]] arranged between said paired transport rollers and said paired discharge rollers;

photoelectric conversion means for photoelectrically converting the images on said documents moving over said reading station; and

detection means for detecting the documents discharged to said discharge tray by said discharge rollers[[,]] disposed at a downstream side in a ~~of the~~ direction of discharge of the documents where said discharge rollers contact each other, said detection means having a stick-shaped lever member hanging downwardly to the discharge tray at a discharge outlet to be swung by a leading edge of the document discharged to the discharge tray, and sensor means for detecting the document by swinging of the lever member.

7. (canceled)

8. (currently amended) An image reading apparatus according to claim ~~7~~ 6, wherein said reading station comprises a transparent glass to guide the document ~~surface being~~ read by said reading means, ~~having~~ and an document guide path comprising a guide member ~~established to~~ facing said transparent glass.